

ERIC KEARNEY

Software Engineer

CONTACT

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EXPERIENCE

RAYTHEON TECHNOLOGIES – AURORA, CO

Nov. 2021 – Present

Joint Polar Satellite System

Software Engineer

Supported after release, responsibilities included bug-fixing, code cleanup, and re-configuring various subsystems to dynamically meet customer needs.

Mar. 2021 – Nov. 2021

HP Replacement of IBM Products

Scrum Master

Served as a Scrum master to the completion of a server infrastructure migration project. Responsibilities included running daily standups, flowing progress up the proper lines of communication, and quickly eliminating blockers for developers.

Aug. 2019 – Mar. 2021

GPS-OCX

Software Engineer / Discrepancy Report Lead

Served as a test engineer and debugger. Processed reported issues and discrepancies into work orders. Identified high priority issues and helped determine which engineer(s) would be best suited to each task.

HIGHLIGHTED PROJECTS

Jan. 2022 - May 2022

Graduate-level Machine Learning Term Project

Reinforcement Learning

- Created a model that determines optimal bets to maximize returns based on the state of the deck using the Hi-Lo card counting strategy.
- Developed in a Jupyter notebook using PyTorch and a Kaggle dataset.

Jan. 2022 - May 2022

Graduate-level Big Data Term Project

Data Science

- Worked with a small team to create a model that predicts IMDB ratings, Rotten Tomatoes user and critic score, and Box Office performance of movies.
- Written in Python using PyTorch and deployed on Apache Spark.
- Manipulated data obtained from multiple sources and joined them into a single appropriate and useful data table.

Jan. 2019 - May 2019

Undergraduate-level Digital Image Processing

Computer Vision

- Implemented face detection, edge detection/sharpening, noise/lighting correction, facial recognition, and visual saliency calculation across images.
- Wrote a simple model to analyze driving footage and automatically detect crashes in said footage.

EDUCATION

Jan. 2022 – Dec. 2025
(expected)

Master's in Computer Science

Colorado State University

Currently enrolled in a Master's program in Computer Science with a focus in big data and machine learning.

Jan. 2017 – May 2019

Bachelor's in Computer Science

Metropolitan State University of Denver

- GPA: 4.0
- Graduated Summa Cum Laude and with Highest Honors
- Awarded by the department of Mathematics and Computer Science for "Exceptional accomplishments in Computer Science"

LANGUAGES

Python (PyTorch, NumPy, Pandas, Flask, OpenCV)

Java (Gradle, JSF, JUnit)

SQL (PostgreSQL, MySQL, SQLite)

DEVELOPMENT TOOLS

Continuous Integration (Git, Jenkins)

Linux Administration (Fedora/Red Hat)

Jira, Confluence, Docker